

Must be sent with  
the out going letter,  
No Exceptions.

## STIC Biotechnology Systems Branch

### RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number:

10/593,659

Source:

FFWP

Date Processed by STIC:

9/29/06

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.4.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebs/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):  
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/10/06

# Raw Sequence Listing Error Summary

## ERROR DETECTED

## SUGGESTED CORRECTION

SERIAL NUMBER:

10593,659

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleics  
Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2 Invalid Line Length The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3 Misaligned Amino  
Numbering The numbering under each 5<sup>th</sup> amino acid is misaligned. Do not use tab codes between numbers; use **space characters**, instead.
- 4 Non-ASCII The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5 Variable Length Sequence(s)        contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6 PatentIn 2.0  
"bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s)       . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 7 Skipped Sequences  
(OLD RULES) Sequence(s)        missing. If intentional, please insert the following lines for each skipped sequence:  
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
(i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)  
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
This sequence is intentionally skipped  
  
Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
- 8 Skipped Sequences  
(NEW RULES) Sequence(s)        missing. If intentional, please insert the following lines for each skipped sequence.  
<210> sequence id number  
<400> sequence id number  
000
- 9 Use of n's or Xaa's  
(NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.  
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.  
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 10 Invalid <213>  
Response Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
- 11 Use of <220> Sequence(s)        missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.  
(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12 PatentIn 2.0  
"bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13 Misuse of n/Xaa "n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid



IFWP

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/593,659

DATE: 09/29/2006

TIME: 09:05:50

Input Set : A:\21412YP SL 9 21 06.TXT

Output Set: N:\CRF4\09292006\J593659.raw

4 <110> APPLICANT: Hardwick, James;  
 5 Dai, Hongyue;  
 6 Lamb, John R.  
 7 Sepp-Lorenzino, Laura;  
 8 Severino, Michael E.;  
 9 Zhang, Chunsheng  
 11 <120> TITLE OF INVENTION: Method and Biomarkers for Detecting  
 12 Tumor Endothelial Cell Proliferation  
 15 <130> FILE REFERENCE: 21412YP  
 C--> 17 <140> CURRENT APPLICATION NUMBER: US/10/593,659  
 C--> 17 <141> CURRENT FILING DATE: 2006-09-21  
 17 <150> PRIOR APPLICATION NUMBER: PCT/US2005/009874  
 18 <151> PRIOR FILING DATE: 2005-03-24  
 20 <150> PRIOR APPLICATION NUMBER: 60/556,645  
 21 <151> PRIOR FILING DATE: 2004-03-26  
 23 <160> NUMBER OF SEQ ID NOS: 22  
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 28 <211> LENGTH: 21  
 29 <212> TYPE: DNA  
 30 <213> ORGANISM: Primer  
 32 <400> SEQUENCE: 1  
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 35 <210> SEQ ID NO: 2  
 36 <211> LENGTH: 20  
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 38 <213> ORGANISM: Primer  
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 44 <211> LENGTH: 27  
 45 <212> TYPE: DNA  
 46 <213> ORGANISM: Probe  
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 49 ccctgtgatt ctaaccatgg ccttctc  
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 52 <211> LENGTH: 24  
 53 <212> TYPE: DNA  
 54 <213> ORGANISM: Primer  
 56 <400> SEQUENCE: 4  
 57 cggttcttat caggatcata ggat  
 59 <210> SEQ ID NO: 5  
 60 <211> LENGTH: 20

Does Not Comply  
 Corrected Diskette Needed  
 (pg. 1-2)

21

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27

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## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/593,659

DATE: 09/29/2006

TIME: 09:05:50

Input Set : A:\21412YP SL 9 21 06.TXT

Output Set: N:\CRF4\09292006\J593659.raw

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 123 <210> SEQ ID NO: 13  
 124 <211> LENGTH: 2366  
 125 <212> TYPE: DNA

20

24

22

20

22

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19

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Same  
errors

See item  
#10 on  
error  
summary  
sheet.

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/593,659

DATE: 09/29/2006

TIME: 09:05:50

Input Set : A:\21412YP SL 9 21 06.TXT

Output Set: N:\CRF4\09292006\J593659.raw

126 &lt;213&gt; ORGANISM: Rattus

128 &lt;400&gt; SEQUENCE: 13

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131 ttgcgagcct gttcctctgc gccttggttg cgaactctga aggtggcagt gaacttgaag 180
132 cttctgatga atcaaaactgt ggctgtcaga acggaggagt atgtgtgtcc tacaagtact 240
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159 aggtattctg aggggtgctt tccaatatga gcacagtagt gtgaagagta gagacactaa 1860
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166 taattagcct agttcatcca atcctcactg ggtggggtaa gggccactca tatacttaat 2280
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171 &lt;211&gt; LENGTH: 2360

172 &lt;212&gt; TYPE: DNA

173 &lt;213&gt; ORGANISM: Homo Sapien

175 &lt;400&gt; SEQUENCE: 14

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177 gctcgcgccc tctgcccga gccaccgagc cgccgtctag cgccccgacc tcgccaccat 120

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## RAW SEQUENCE LISTING

DATE: 09/29/2006

PATENT APPLICATION: US/10/593,659

TIME: 09:05:50

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Output Set: N:\CRF4\09292006\J593659.raw

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179 caatgaactt catcaagttc catcgaactg tgactgtcta aatggaggaa catgtgtgtc 240
180 caacaagtac ttctccaaca ttcactgggtg caactgcccc aagaaattcg gagggcagca 300
181 ctgtgaaata gataagtcaa aaacctgcta tgaggggaat gggtcactttt accgaggaaa 360
182 ggccagcact gacaccattg gccggccctg cctgcccctg aactctgcca ctgtccttca 420
183 gcaaacgtac catgcccaca gatctgatgc tcttcagctg ggcctgggga aacataatta 480
184 ctgcaggaac ccagacaacc ggaggcgacc ctgggtgctat gtgcagggtg gcctaaagcc 540
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186 agaagaatta aaatttcagt gtggccaaaa gactctgagg ccccgcttta agattattgg 660
187 gggagaattc accaccatcg agaaccagcc ctgggttgct gccatctaca ggaggcaccg 720
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189 gccacacac tgcttcattg attacccaaa gaaggaggac tacatcgtct acctgggtcg 840
190 ctcaaggctt aactccaaca cgcaagggga gatgaagttt gaggtggaaa acctcatcct 900
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212 gtttcacttt cacatagatg tccctttctt ggcagttat cccttccttt tagcctagtt 2220
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215 tgatgaaaaa aaaaaaaaaa
216
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218 <211> LENGTH: 1857
219 <212> TYPE: DNA
220 <213> ORGANISM: Rattus
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227 ggaaatgctt aactacggct tgctagtaag gactccagac tccaaagagg ccacaccatg 300
228 aagattctcc tgctgtgtgt ggcactgctg ctgacctggg acaatggcat ggtcctggga 360

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## RAW SEQUENCE LISTING

DATE: 09/29/2006

PATENT APPLICATION: US/10/593,659

TIME: 09:05:50

Input Set : A:\21412YP SL 9 21 06.TXT

Output Set: N:\CRF4\09292006\J593659.raw

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232 ggtgctctag atgacaccag ggattctgaa atgaagctga aggccttccc ggaagtgtgt 600
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267 tcatagaaaa aacaaacgaa gagcgcaaga cactgctcag caacctagaa gaagccaaga 420
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274 agccccagga tacctaccac tacctgccct tcagcctgcc ccaccggagg cctcacttct 840
275 tctttcccaa gtcccgcate gtccgcagct tgatgccctt ctctccgtac gagcccctga 900
276 acttccacgc catgttccag ccttctcttg agatgataca cgaggctcag caggccattg 960
277 acatccactt ccatacccg gccttccagc acccgccaac agaattcata cgagaaggcg 1020
278 acgatgaccg gactgtgtgc cgggagatcc gccacaactc cacgggctgc ctgaggatga 1080
279 aggaccagtg tgacaagtgc cgggagatct tgtctgtgga ctgttccacc aacaacccct 1140

```

**VERIFICATION SUMMARY**

**PATENT APPLICATION: US/10/593,659**

**DATE: 09/29/2006**

**TIME: 09:05:51**

**Input Set : A:\21412YP SL 9 21 06.TXT**

**Output Set: N:\CRF4\09292006\J593659.raw**

**L:17 M:270 C: Current Application Number differs, Replaced Current Application No**

**L:17 M:271 C: Current Filing Date differs, Replaced Current Filing Date**